

Title (en)
ENHANCEMENT OF SPATIAL AUDIO SIGNALS BY MODULATED DECORRELATION

Title (de)
VERBESSERUNG VON RÄUMLICHEN AUDIOSIGNALEN DURCH MODULIERTE DEKORRELATION

Title (fr)
AMÉLIORATION DE SIGNAUX AUDIO SPATIAUX PAR DÉCORRÉLATION MODULÉE

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Application
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Abstract (en)

Some methods involve receiving an input audio signal that includes N input audio channels, the input audio signal representing a first soundfield format having a first soundfield format resolution, N being an integer ≥ 2 . A first decorrelation process may be applied to two or more of the input audio channels to produce a first set of decorrelated channels, the first decorrelation process maintaining an inter-channel correlation of the set of input audio channels. A first modulation process may be applied to the first set of decorrelated channels to produce a first set of decorrelated and modulated output channels. The first set of decorrelated and modulated output channels may be combined with two or more undecorrelated output channels to produce an output audio signal that includes O output audio channels representing a second and relatively higher-resolution soundfield format than the first soundfield format, O being an integer ≥ 3 .

IPC 8 full level
G10L 19/008 (2013.01)

CPC (source: CN EP US)
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Citation (applicant)
EP 19172220 A 20160302

Citation (search report)

- [A] WO 2011090834 A1 20110728 - DOLBY LAB LICENSING CORP [US], et al
- [A] EP 2830333 A1 20150128 - FRAUNHOFER GES FORSCHUNG [DE], et al
- [A] US 2009240503 A1 20090924 - MIYASAKA SHUJI [JP], et al

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